

Fig. 1

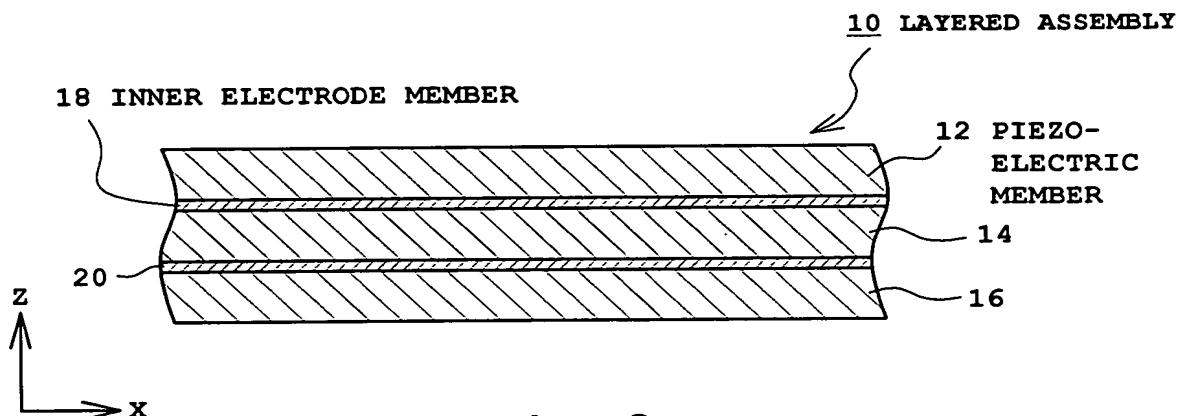


Fig. 2

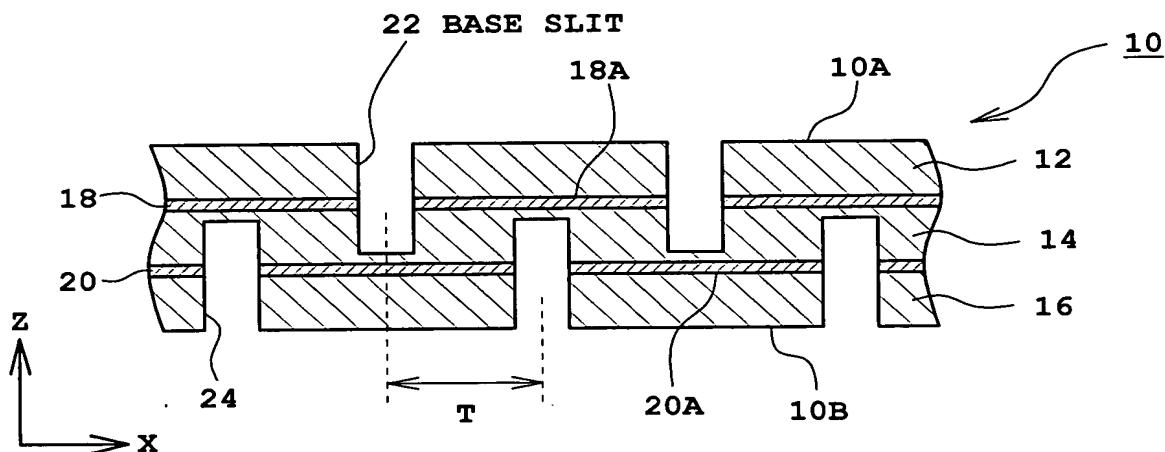


Fig. 3

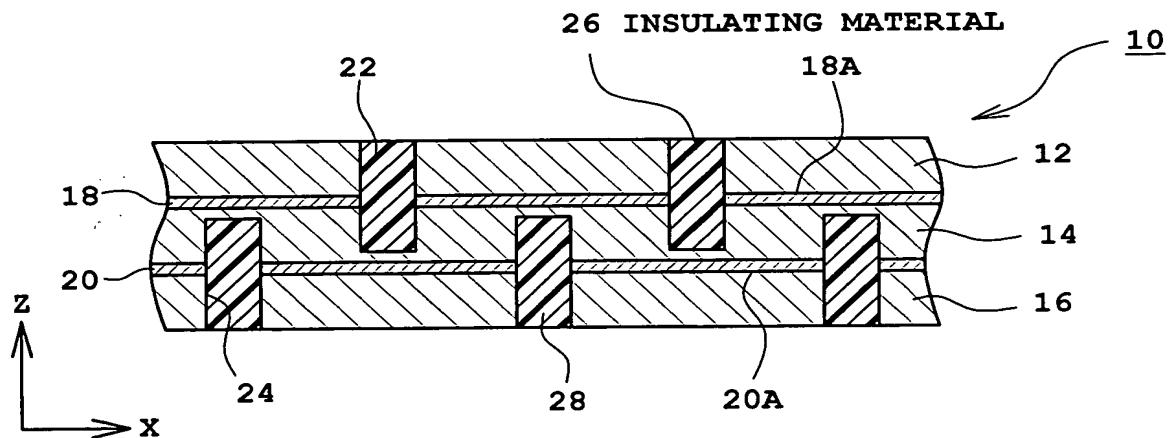


Fig. 4

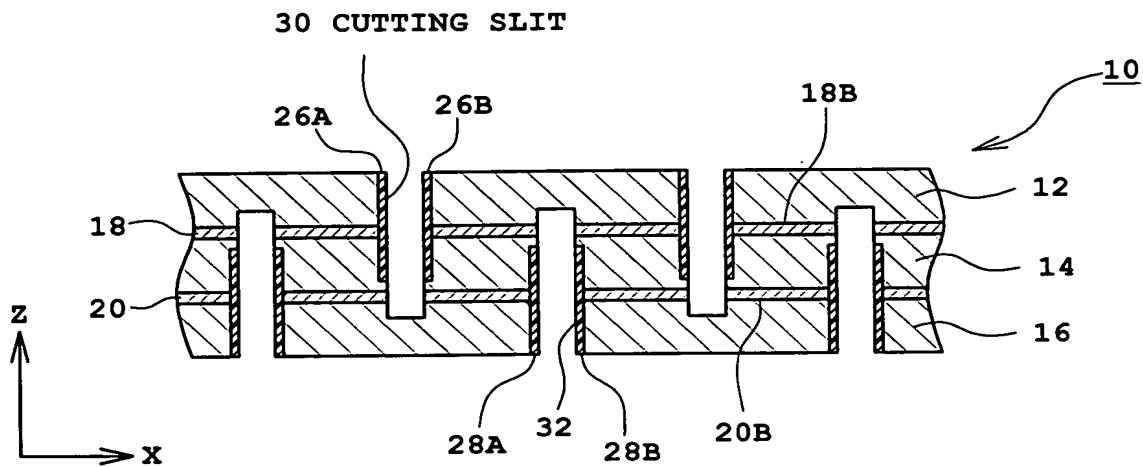


Fig. 5

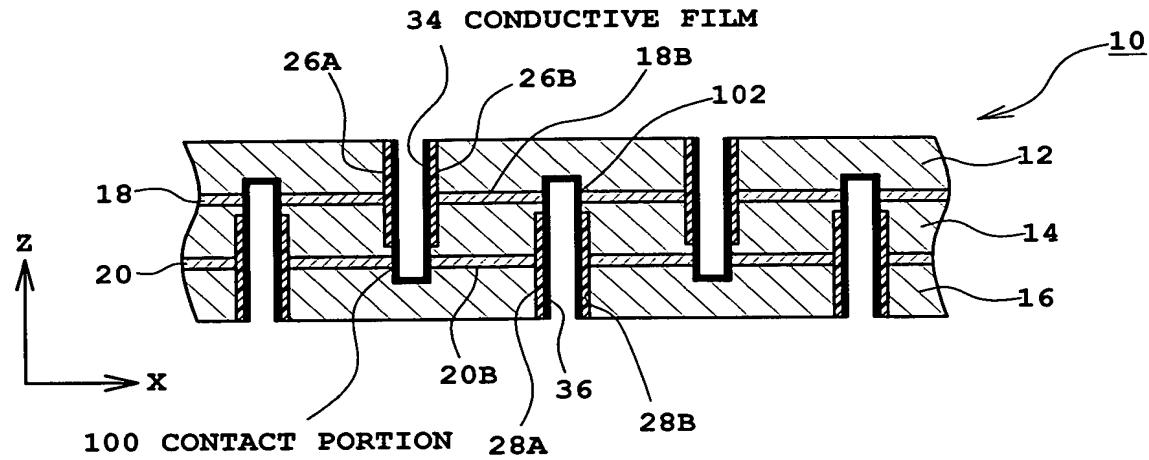


Fig. 6

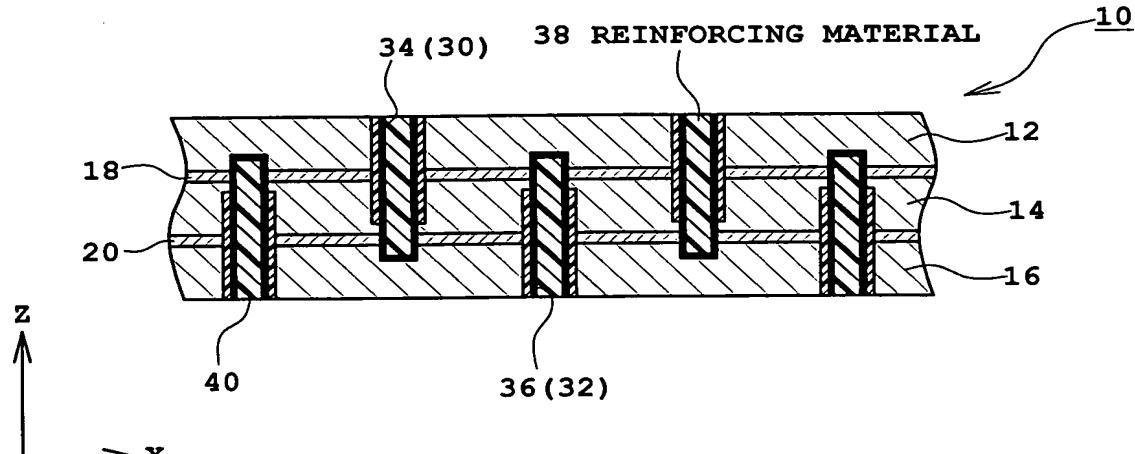


Fig. 7

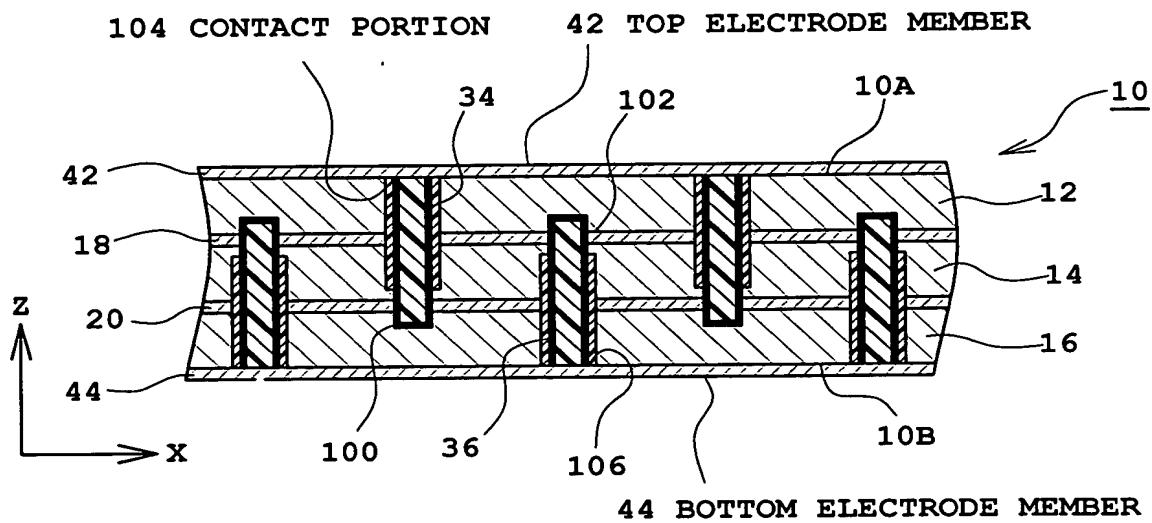
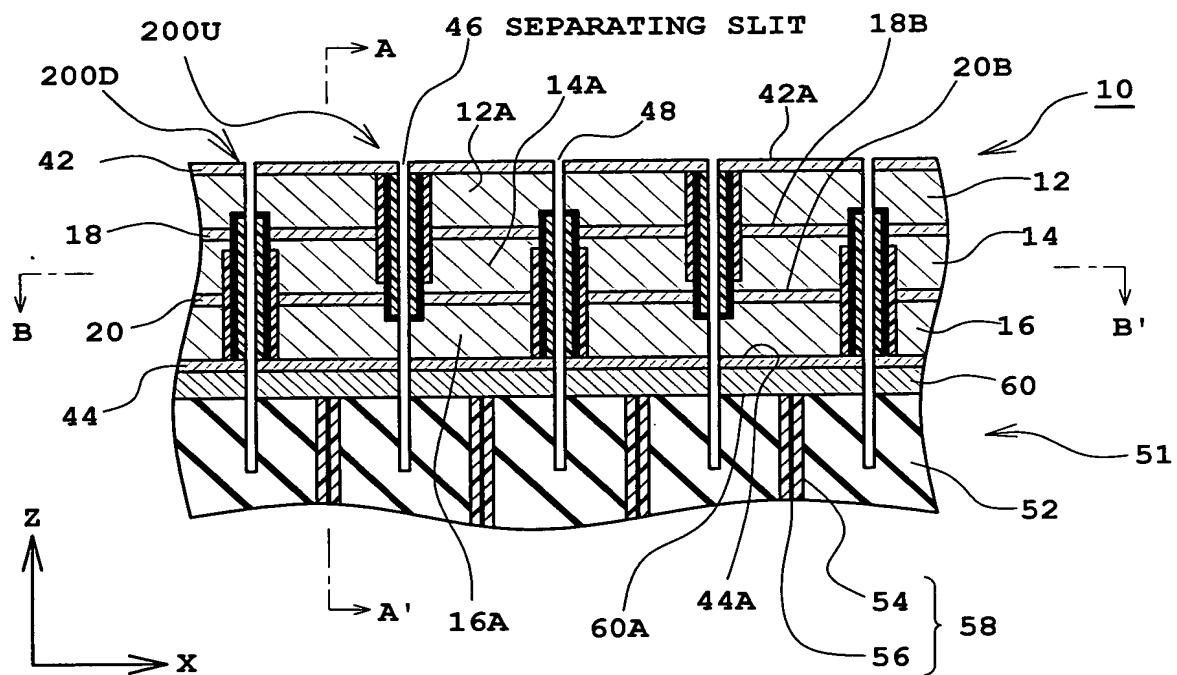


Fig. 8



12A, 14A, 16A PIEZOELECTRIC LAYER 44A BOTTOM ELECTRODE LAYER
 42A TOP ELECTRODE LAYER 60A ELECTRODE PAD
 18B, 20B INNER ELECTRODE LAYER

Fig. 9

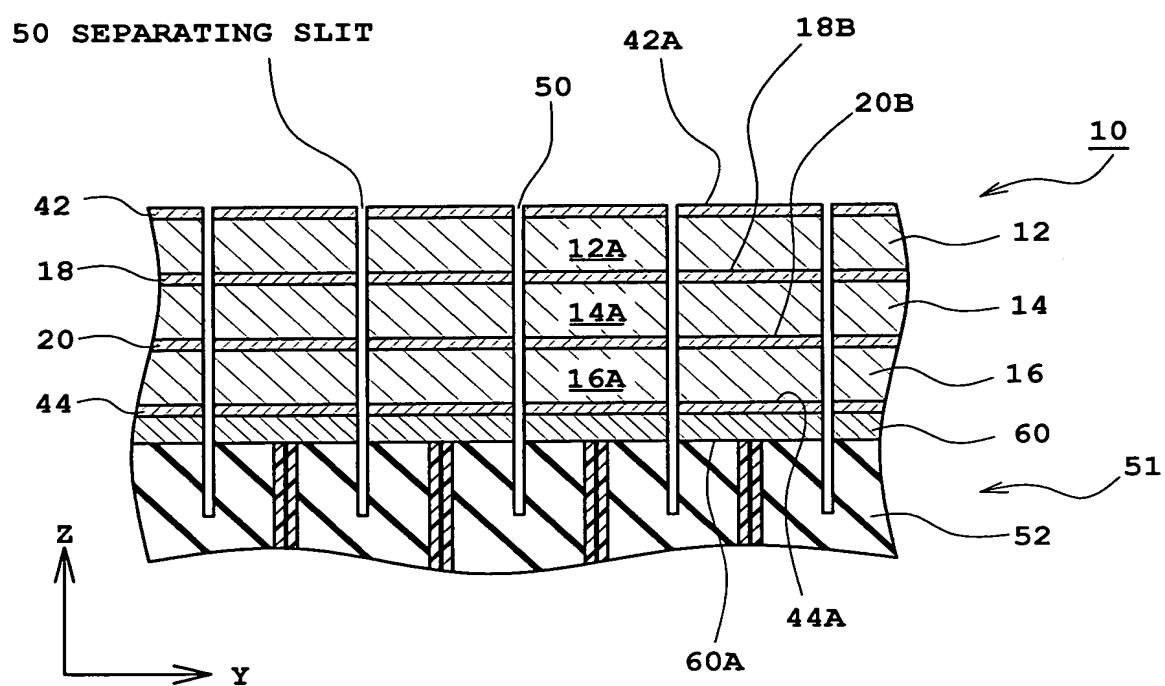


Fig.10

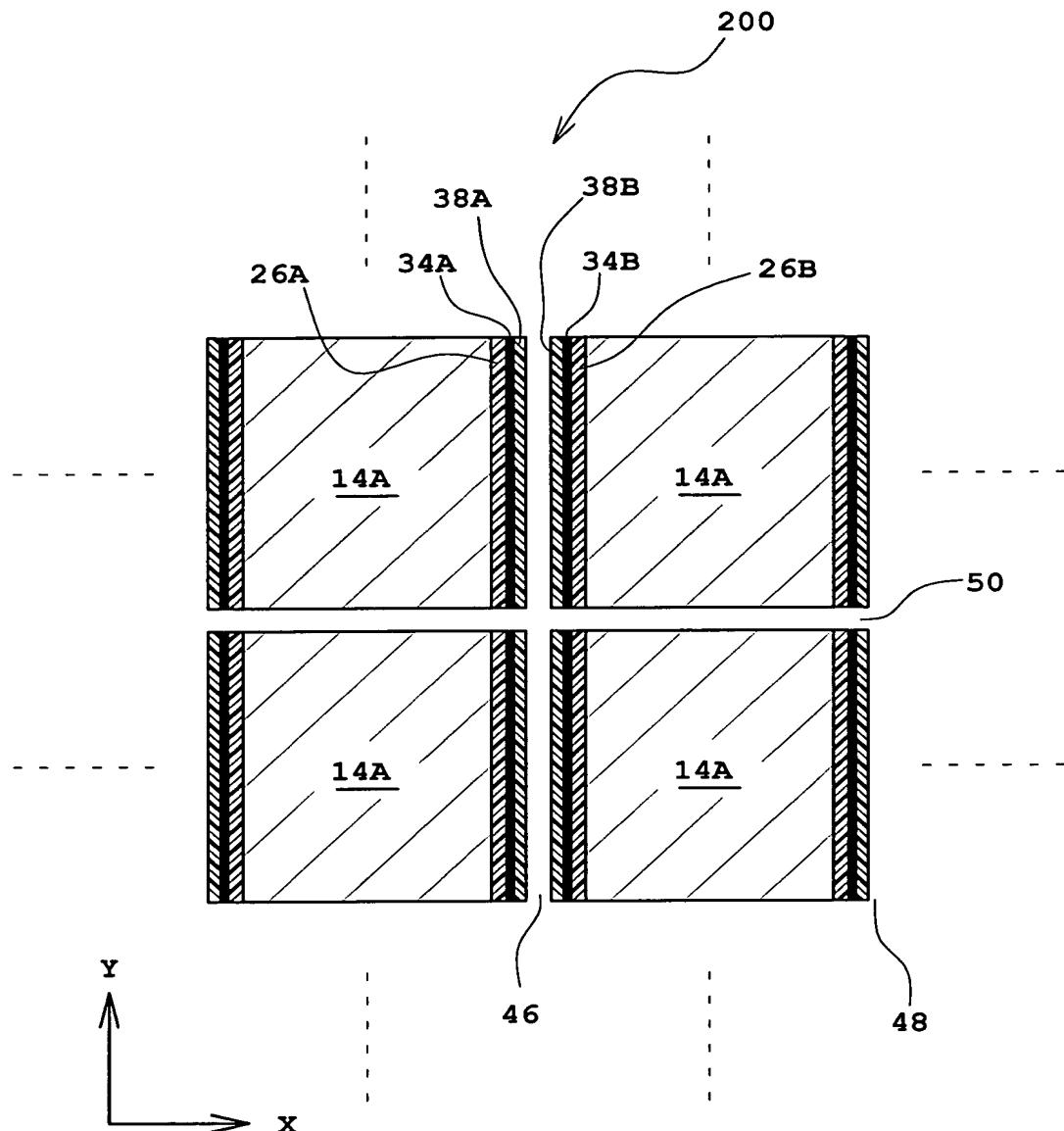


Fig.11

202: TRANSDUCER ELEMENT

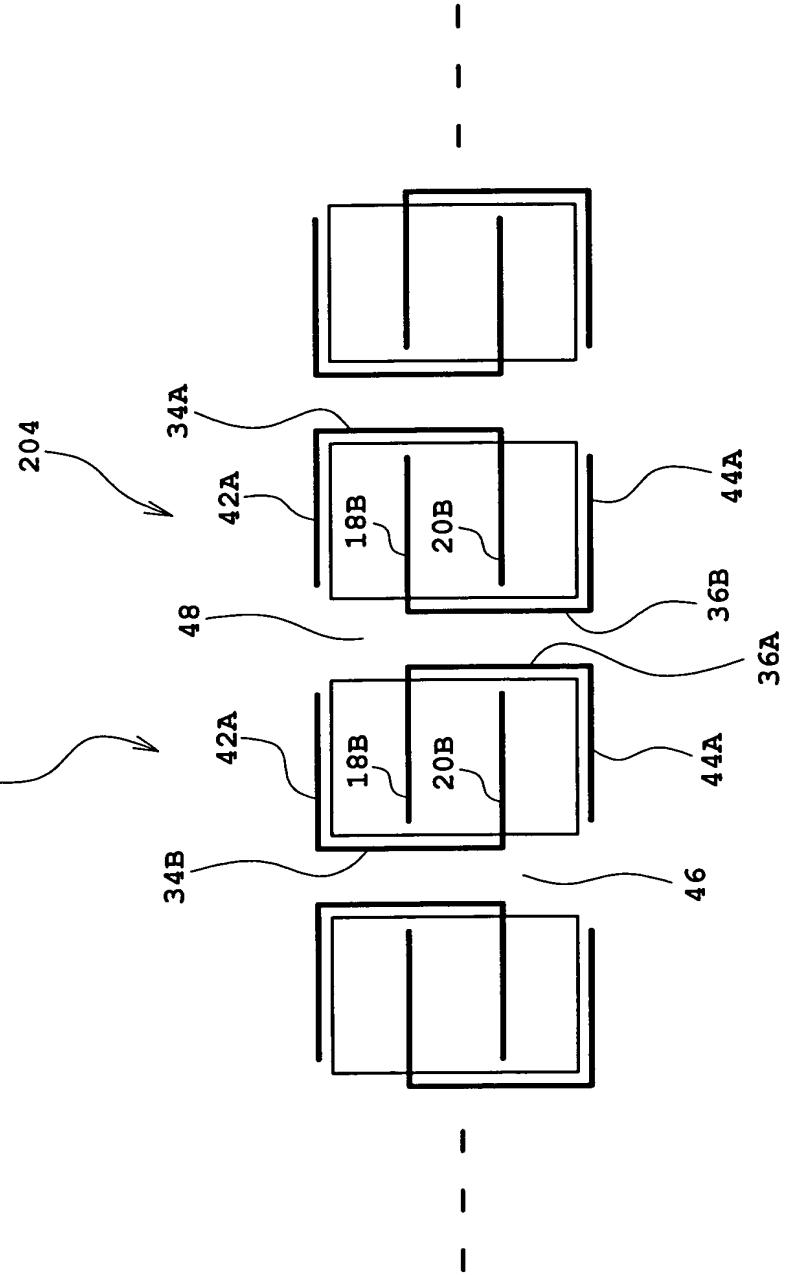


Fig. 12

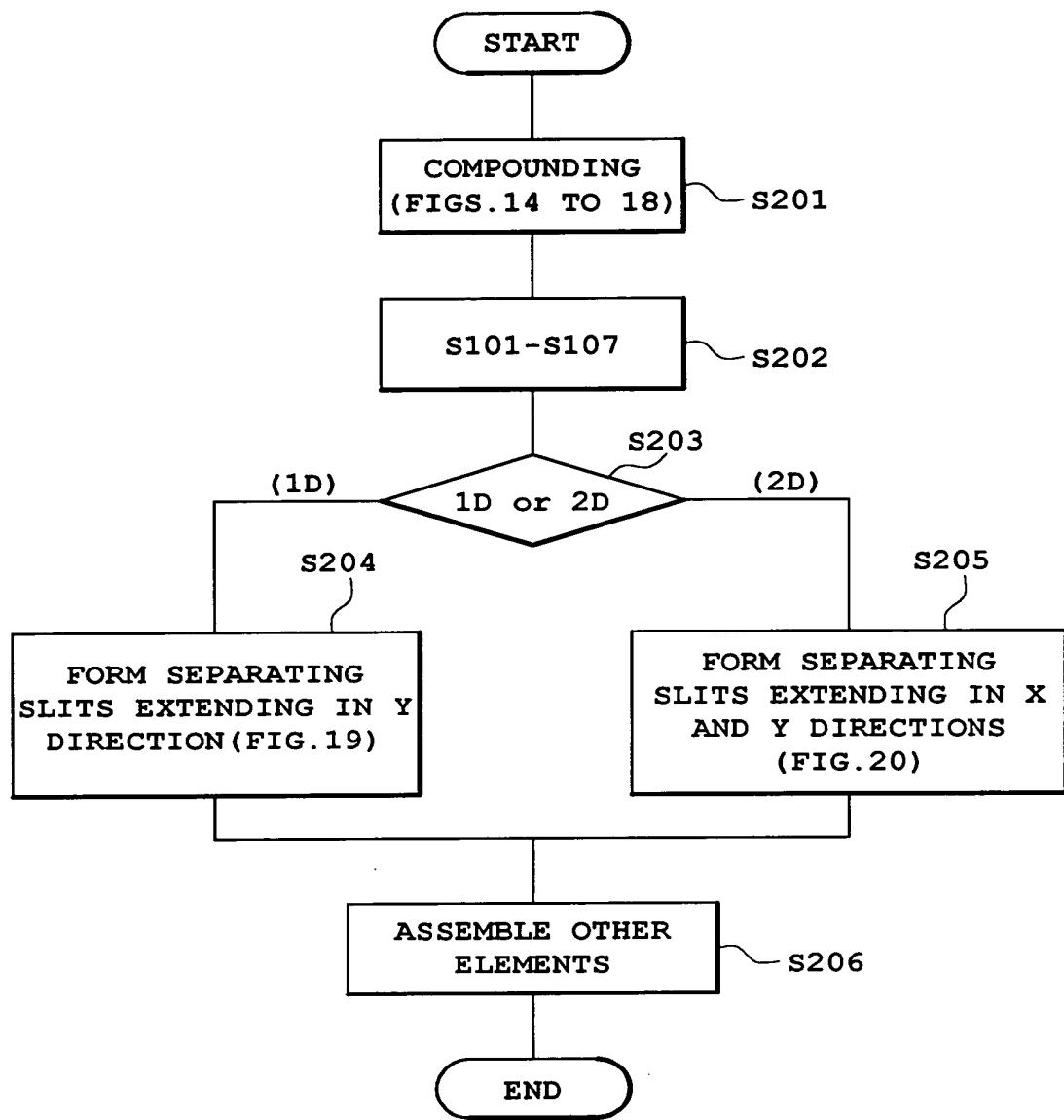


Fig.13

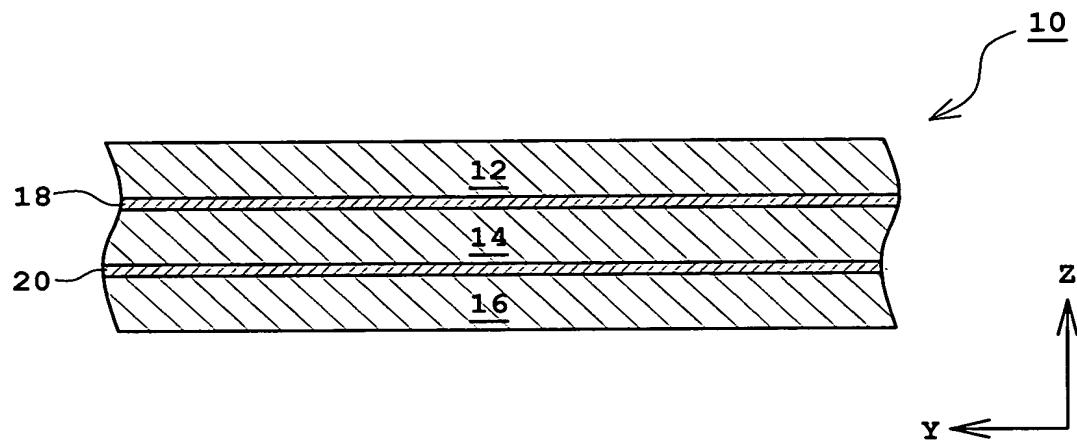


Fig. 14

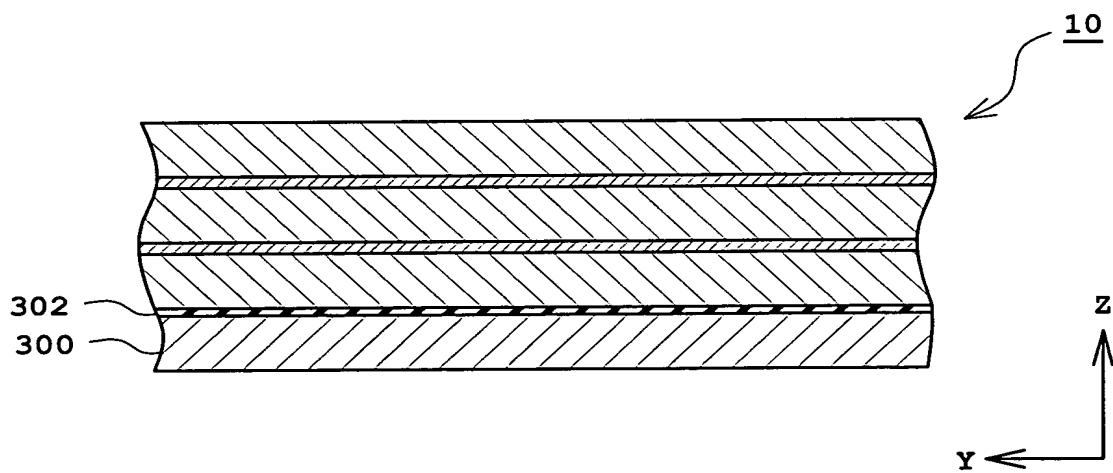


Fig. 15

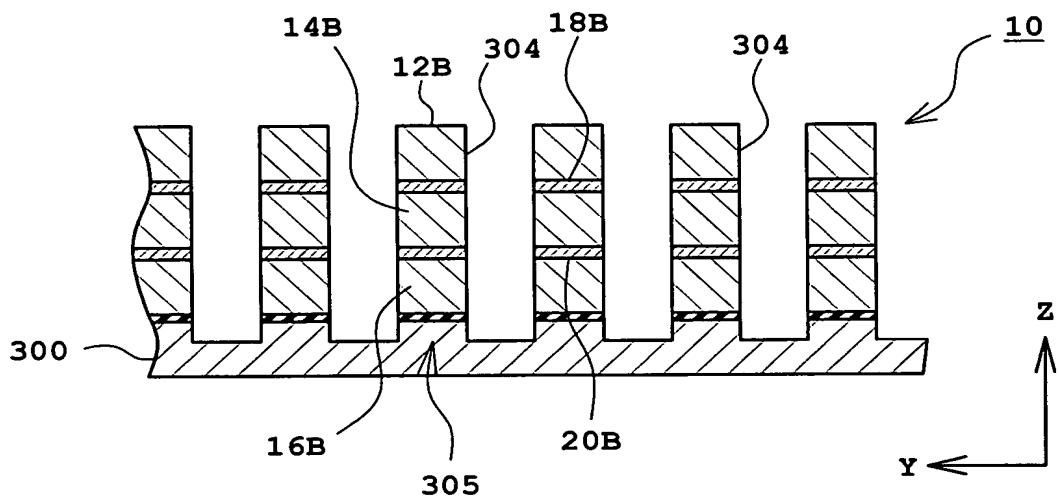


Fig. 16

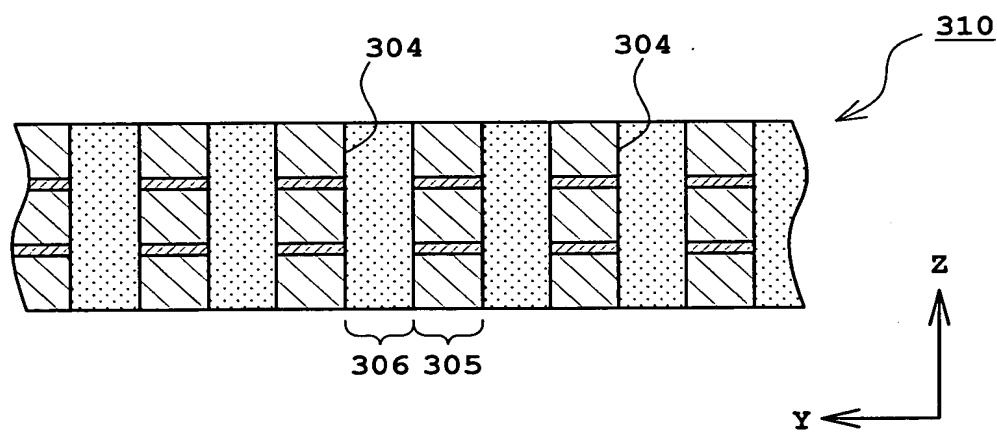


Fig. 17

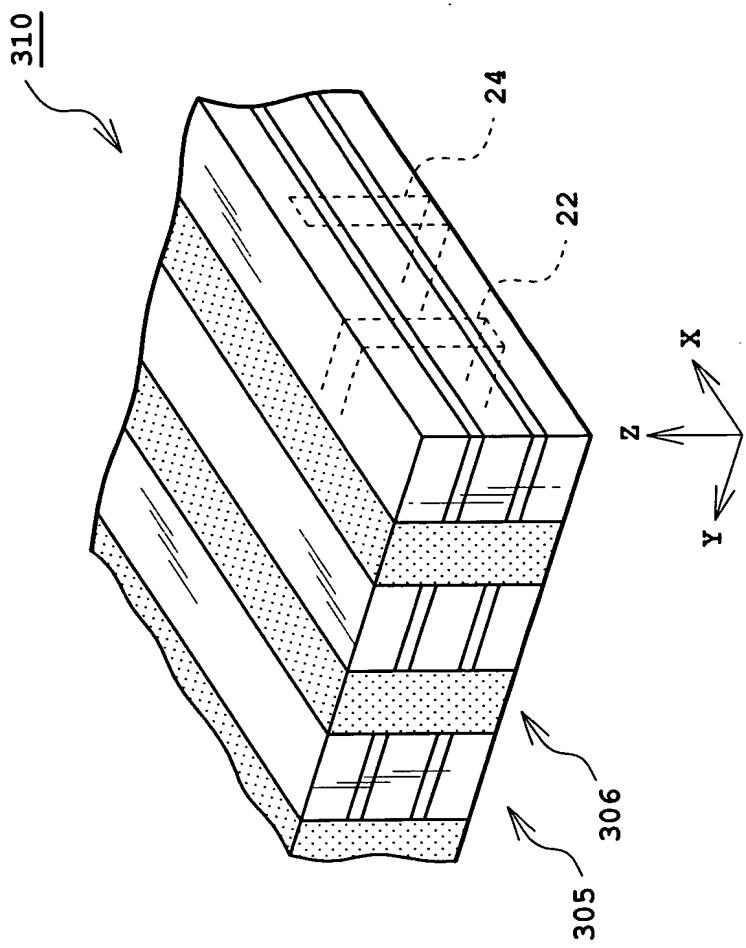


Fig. 18

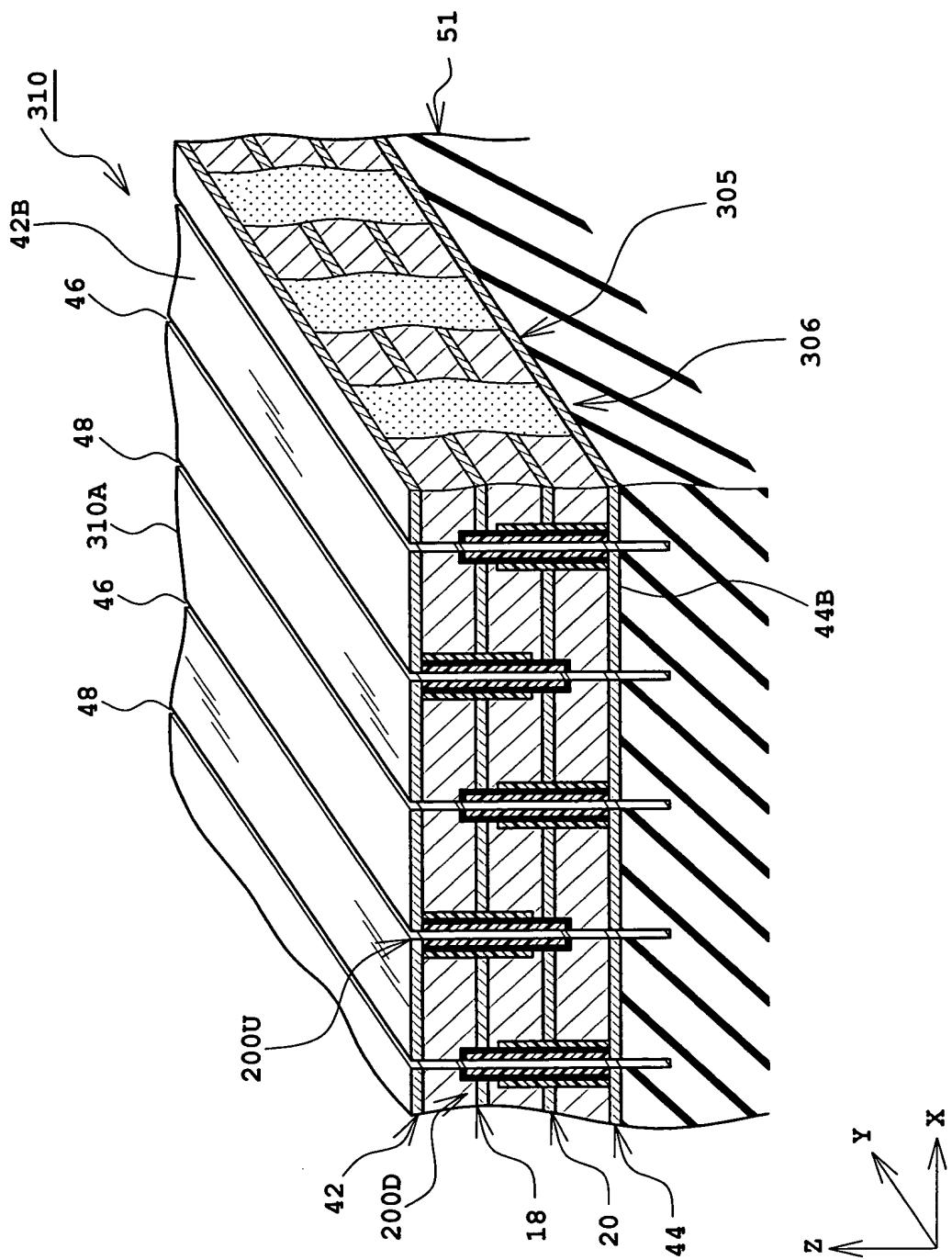


Fig. 19

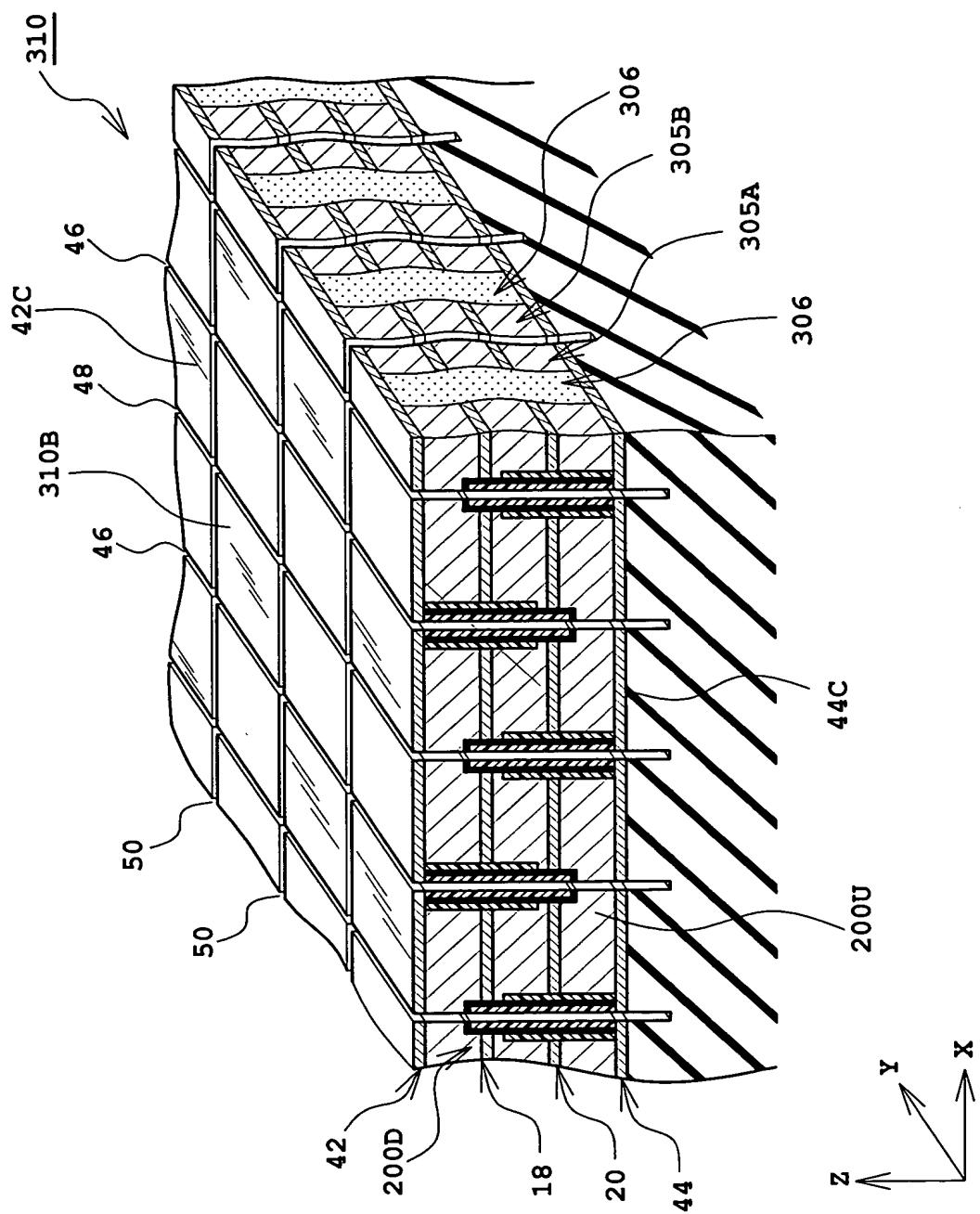


Fig. 20

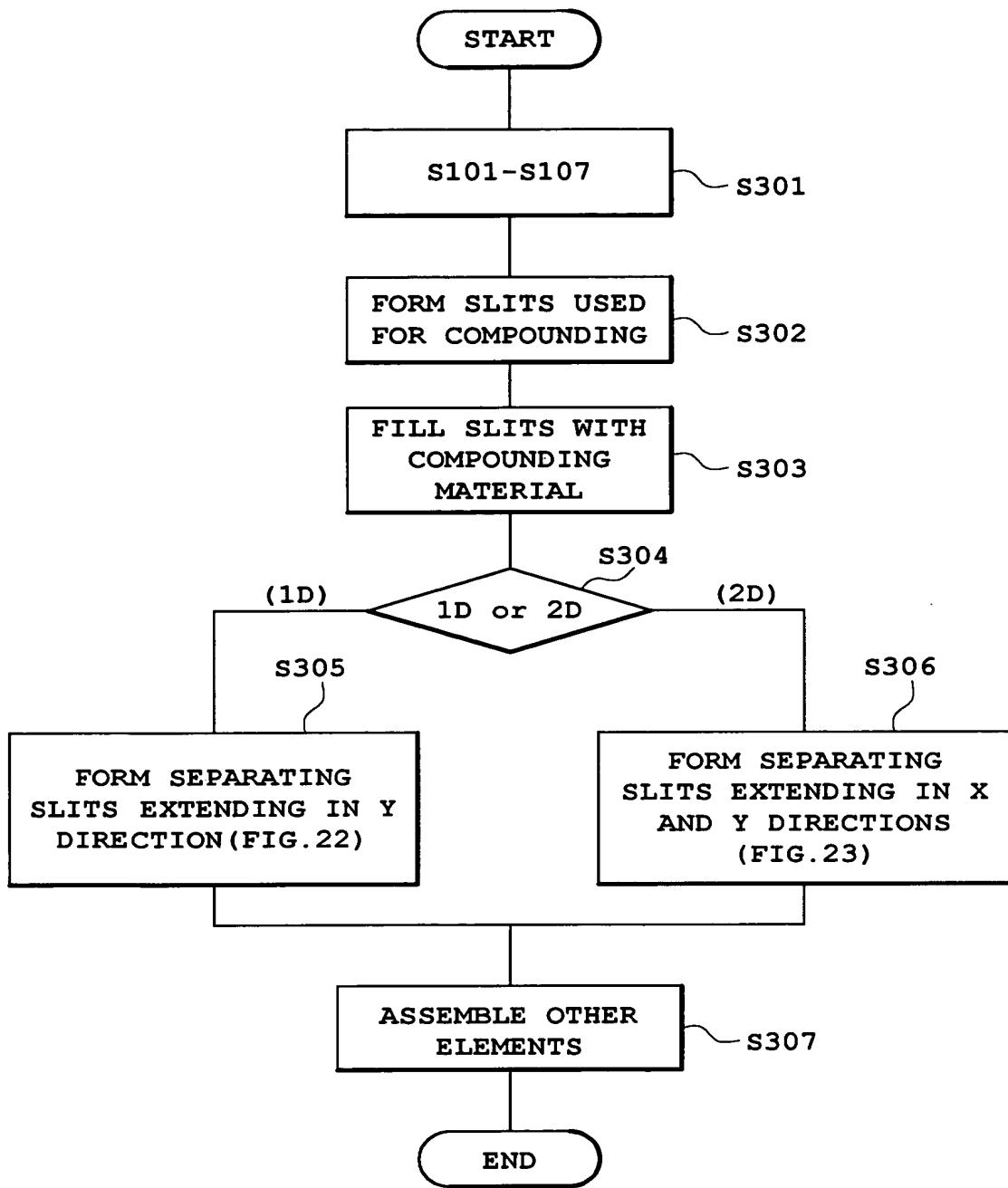


Fig. 21

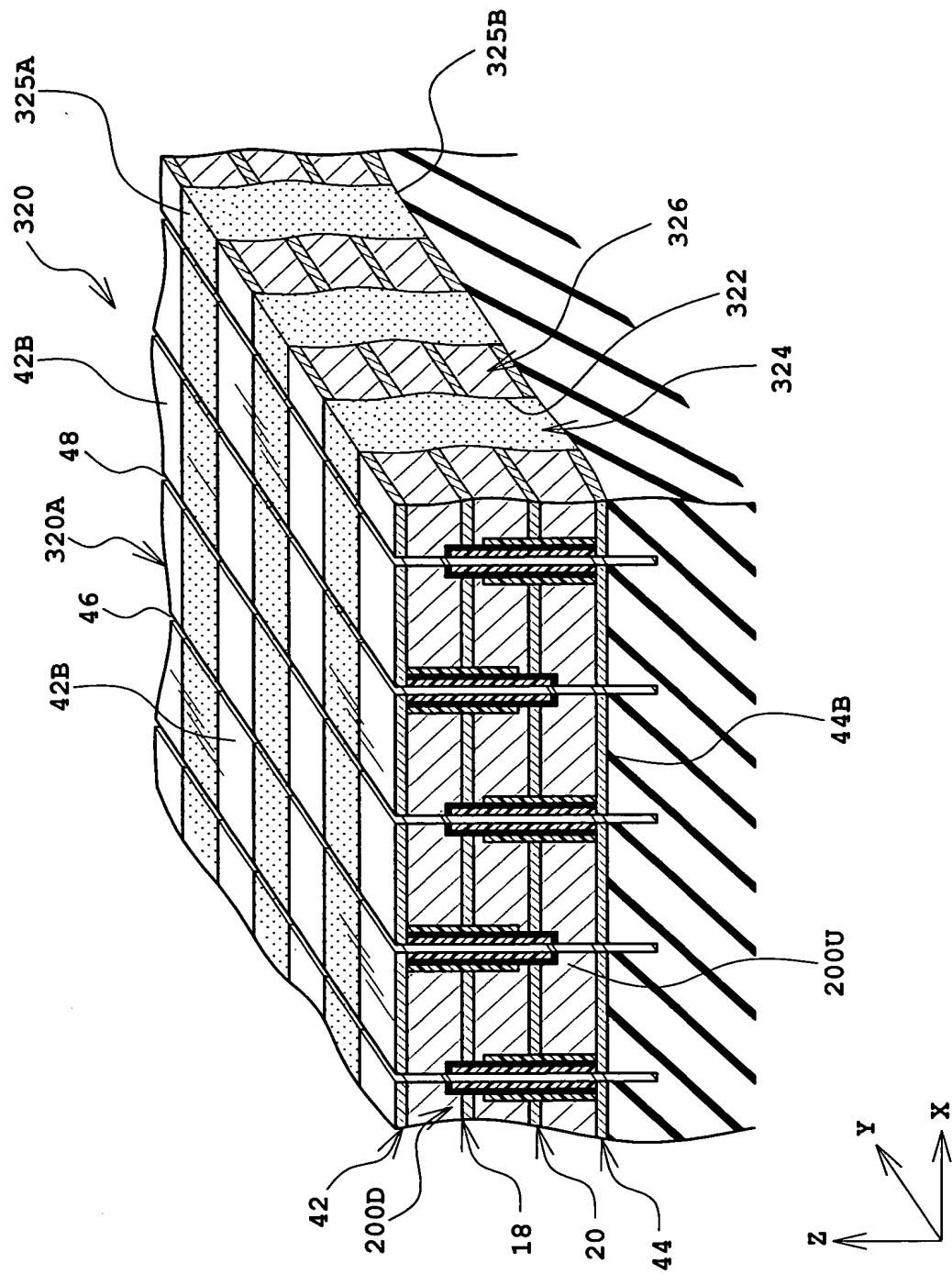


Fig. 22

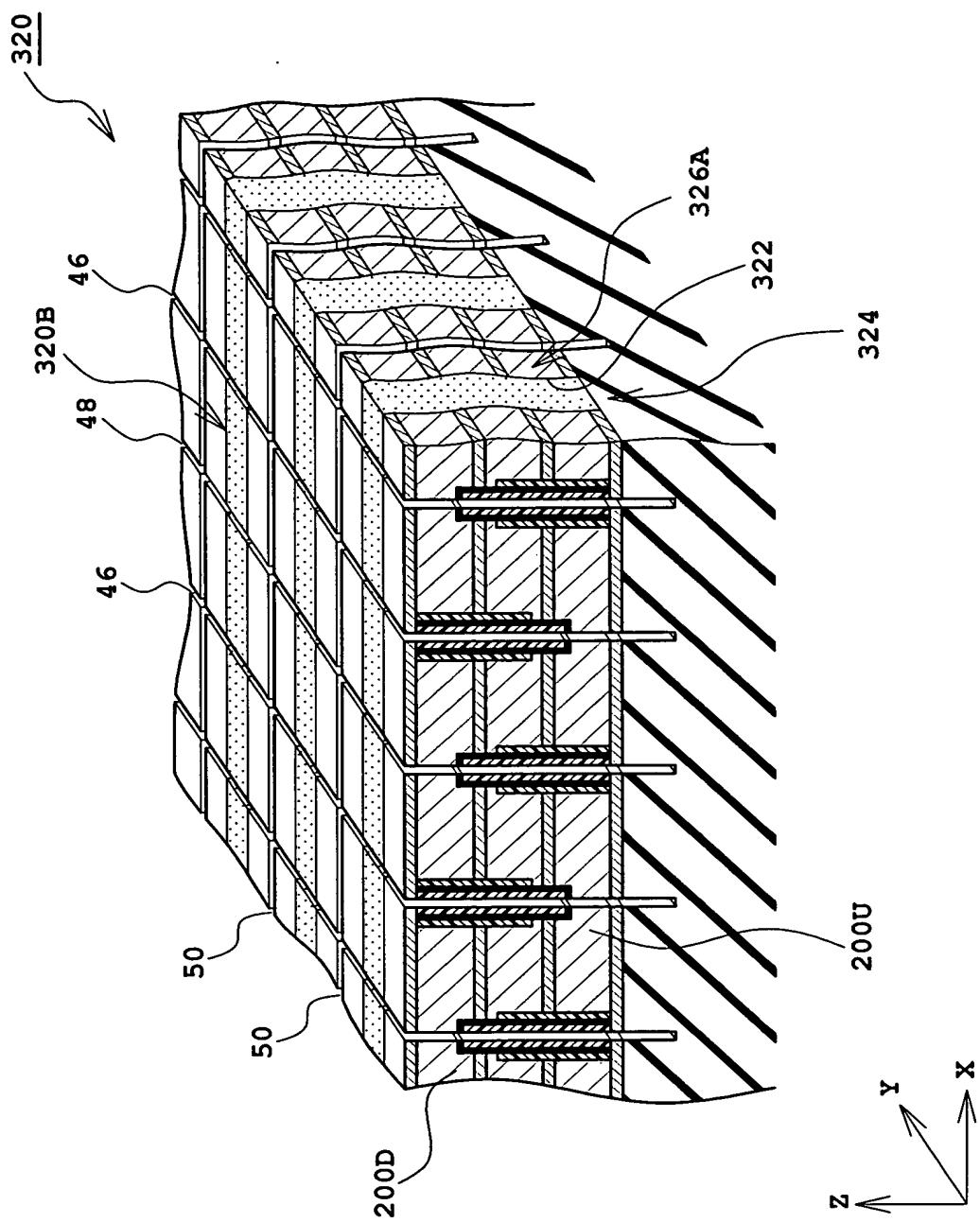


Fig. 23

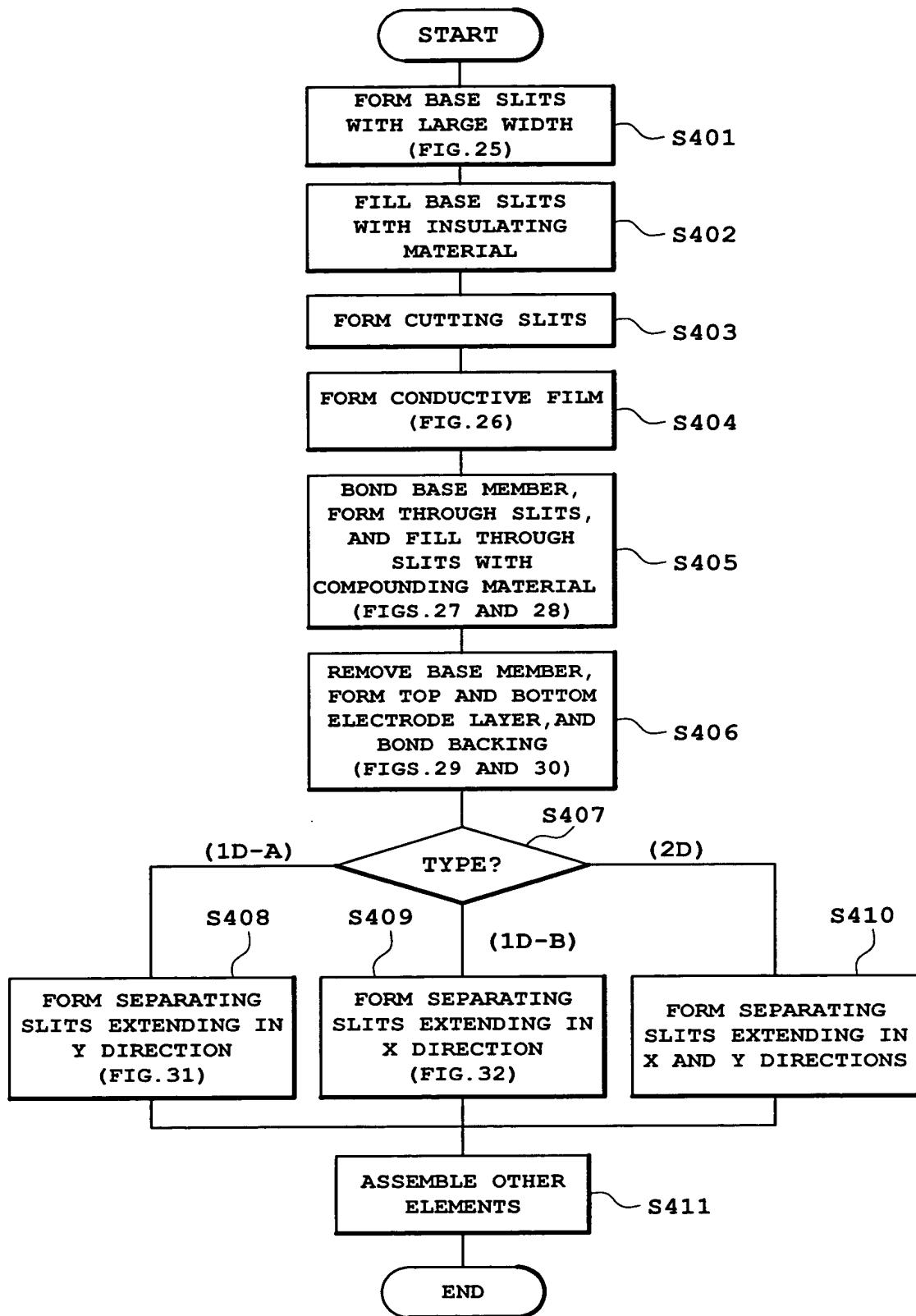


Fig. 24

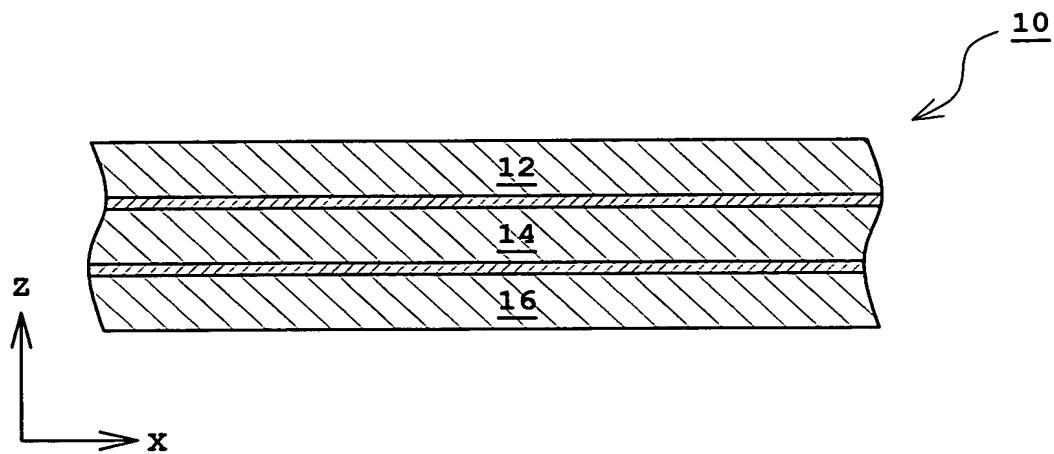


Fig. 25

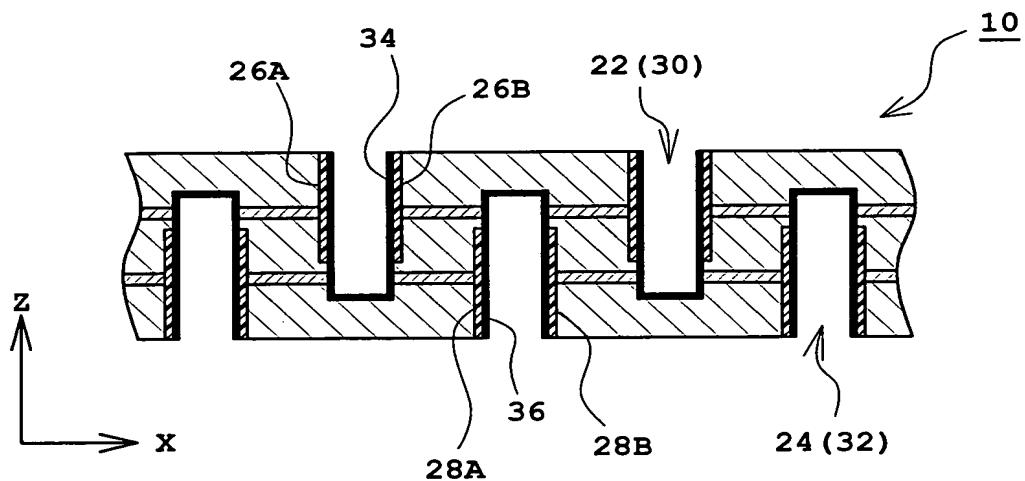


Fig. 26

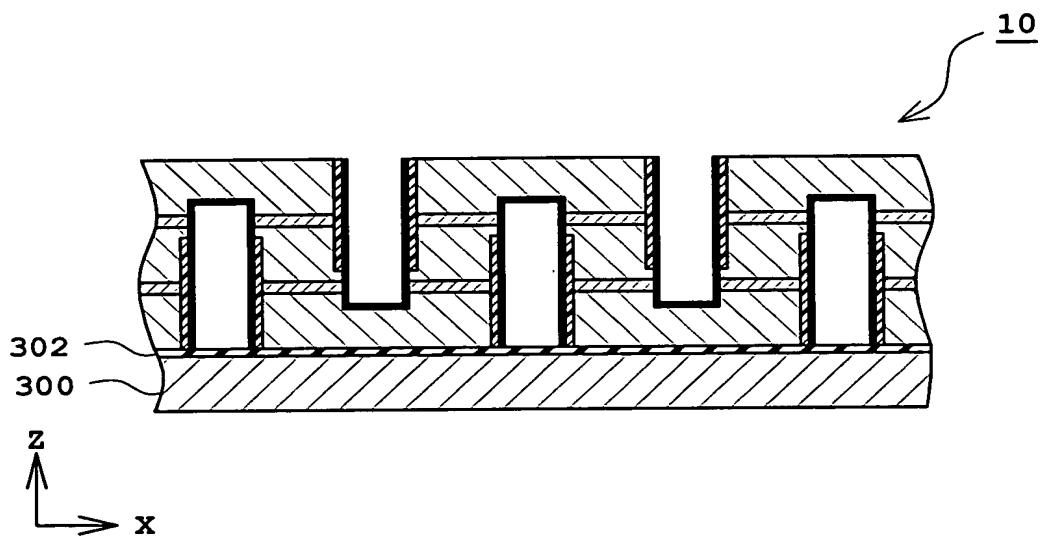


Fig.27

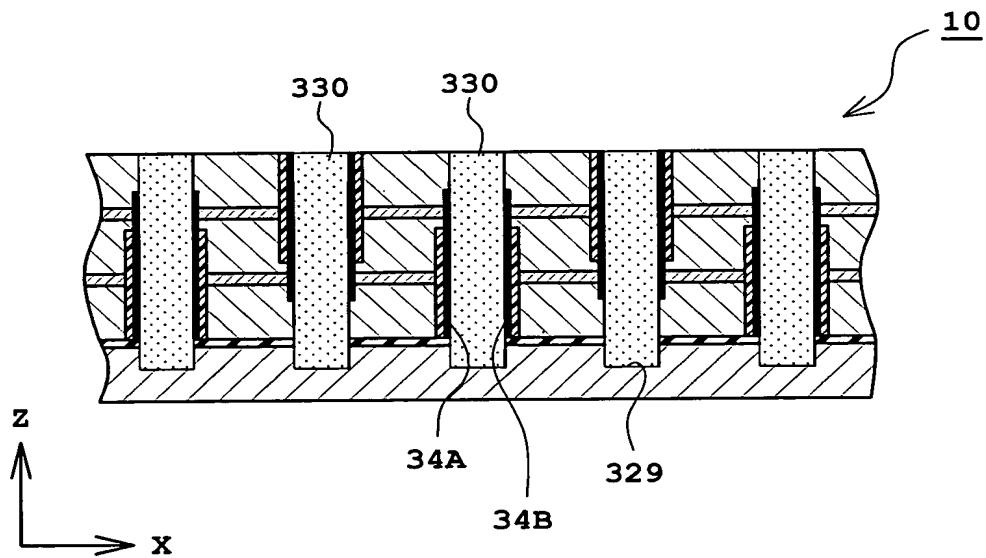


Fig.28

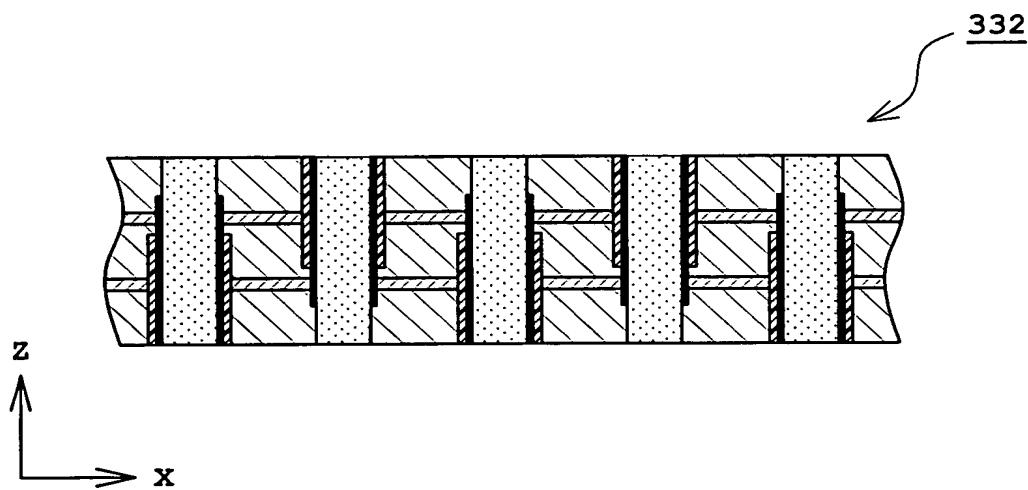


Fig. 29

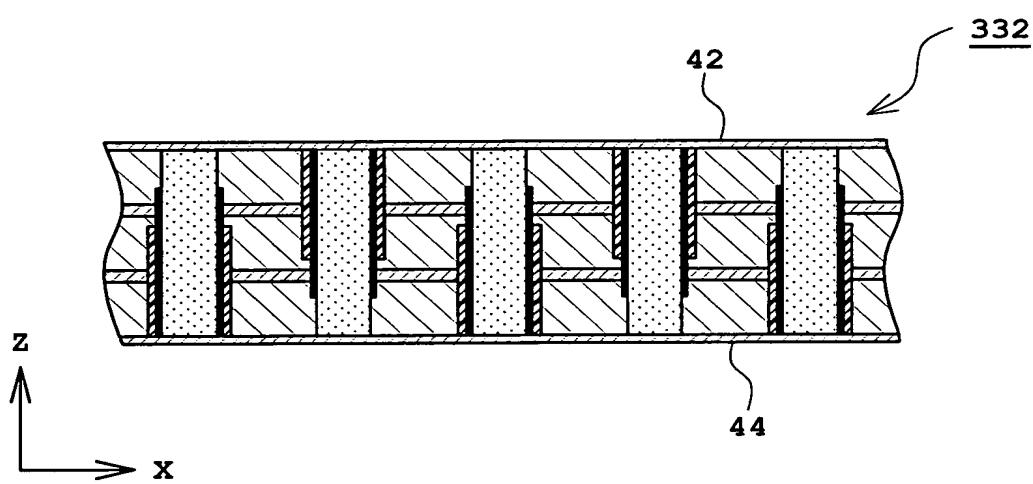


Fig. 30

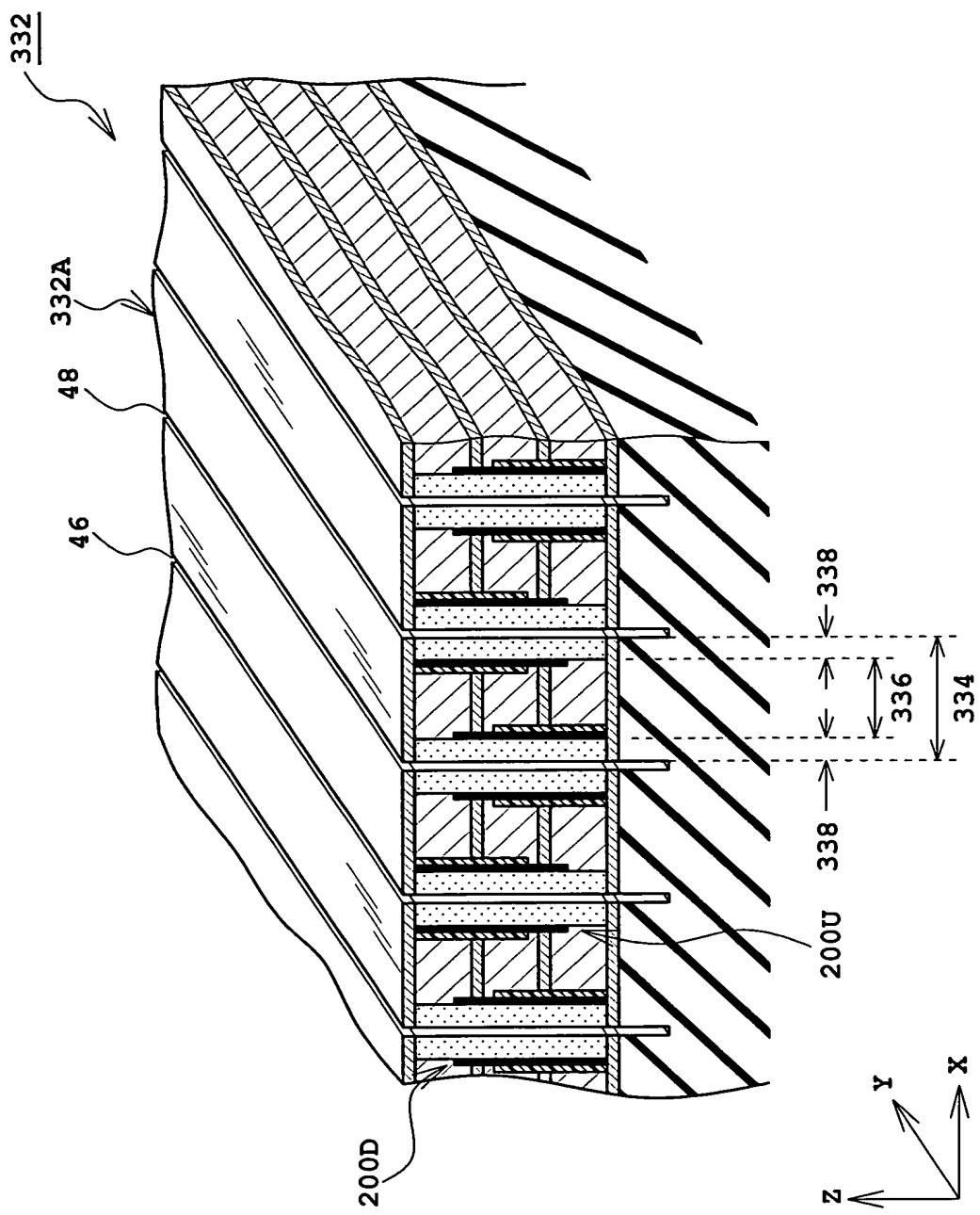


Fig. 31

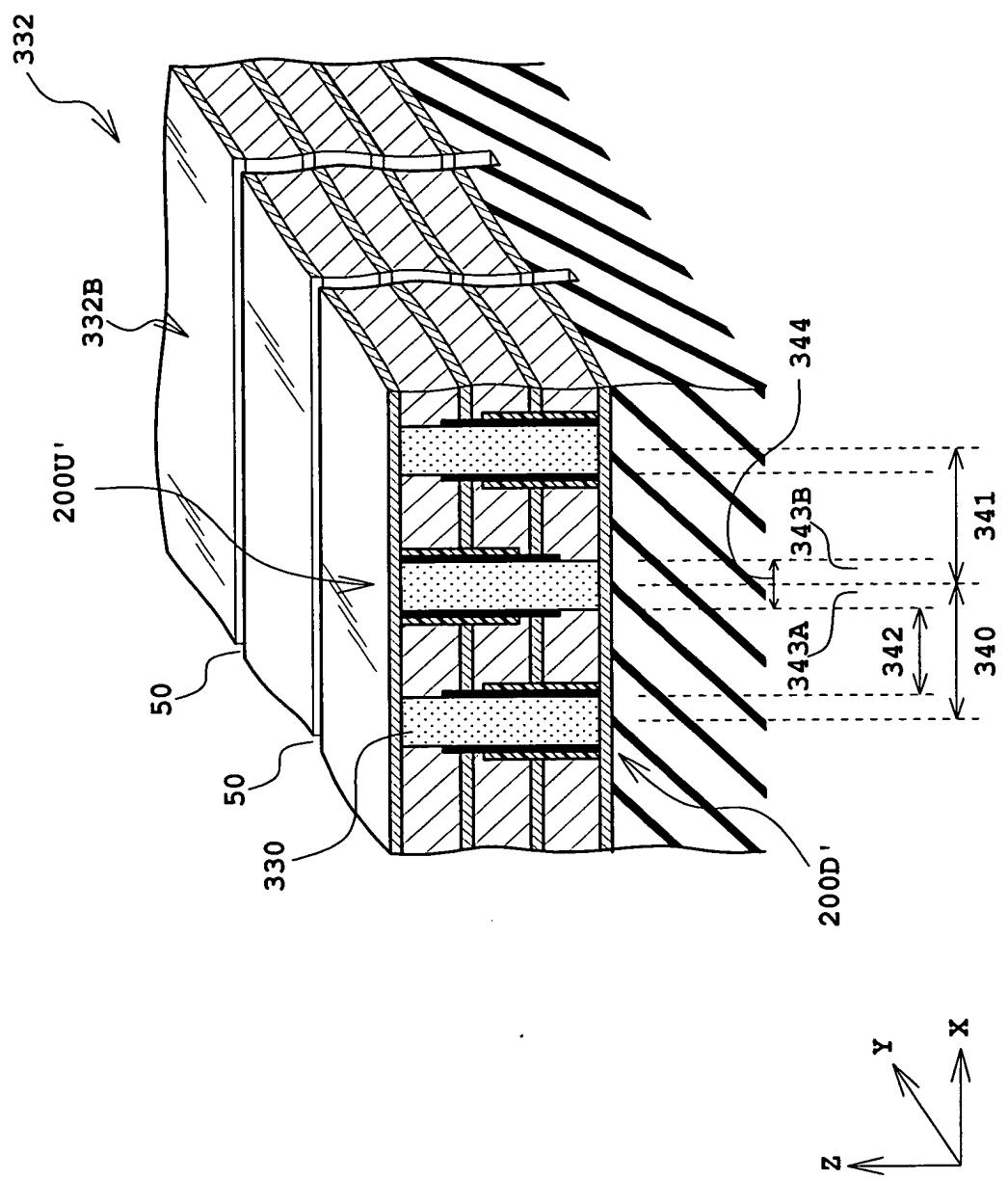


Fig. 32

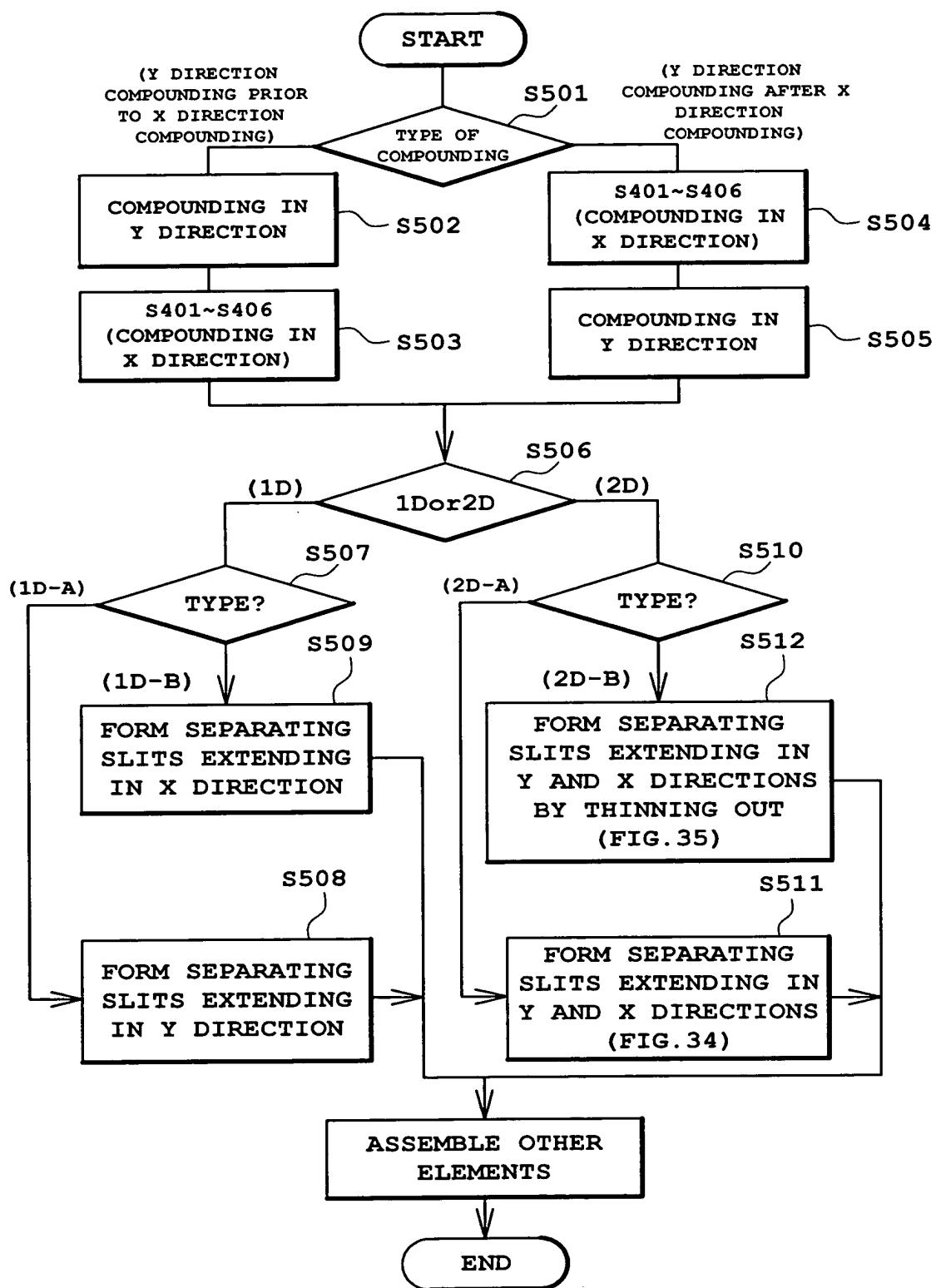


Fig. 33

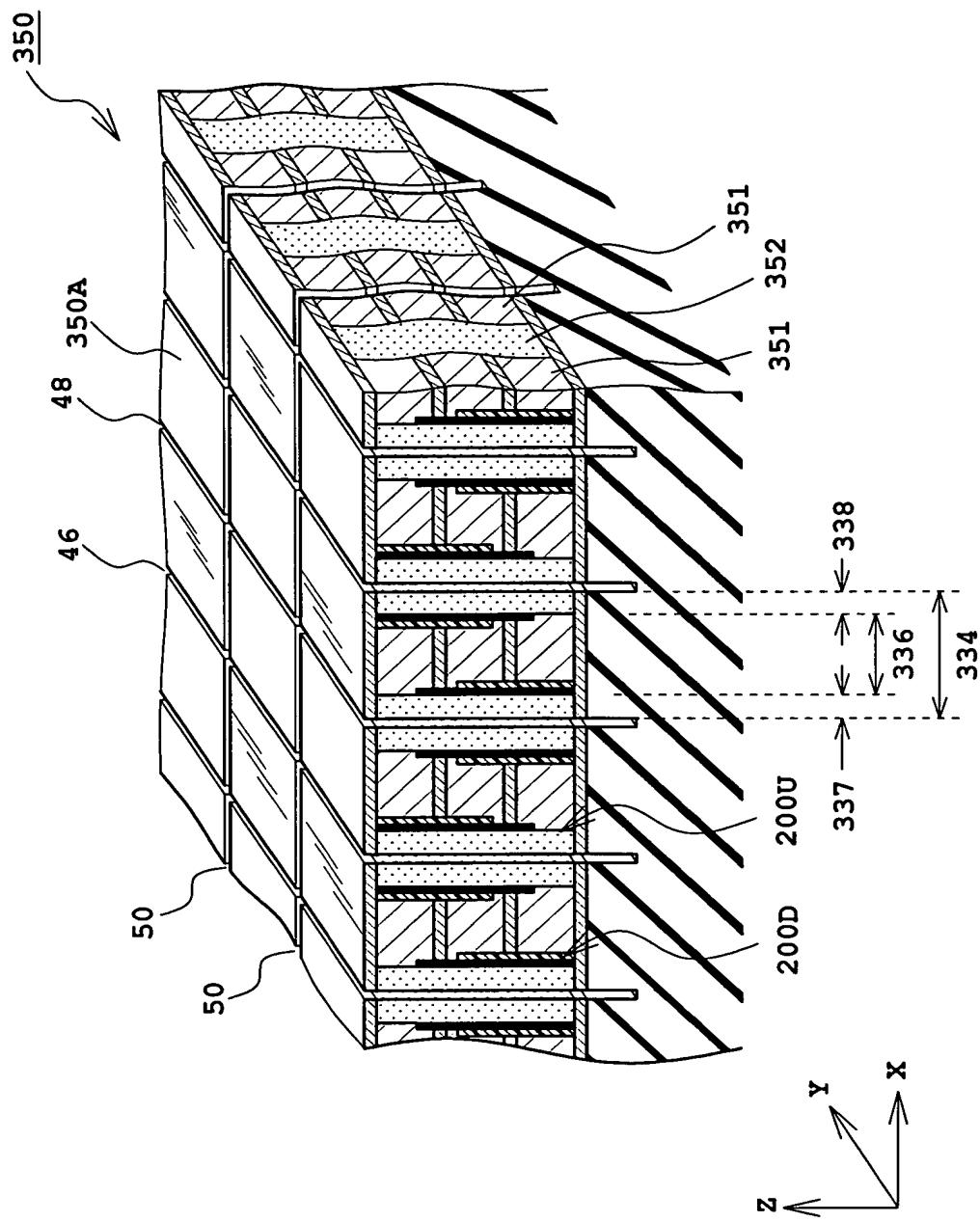


Fig. 34

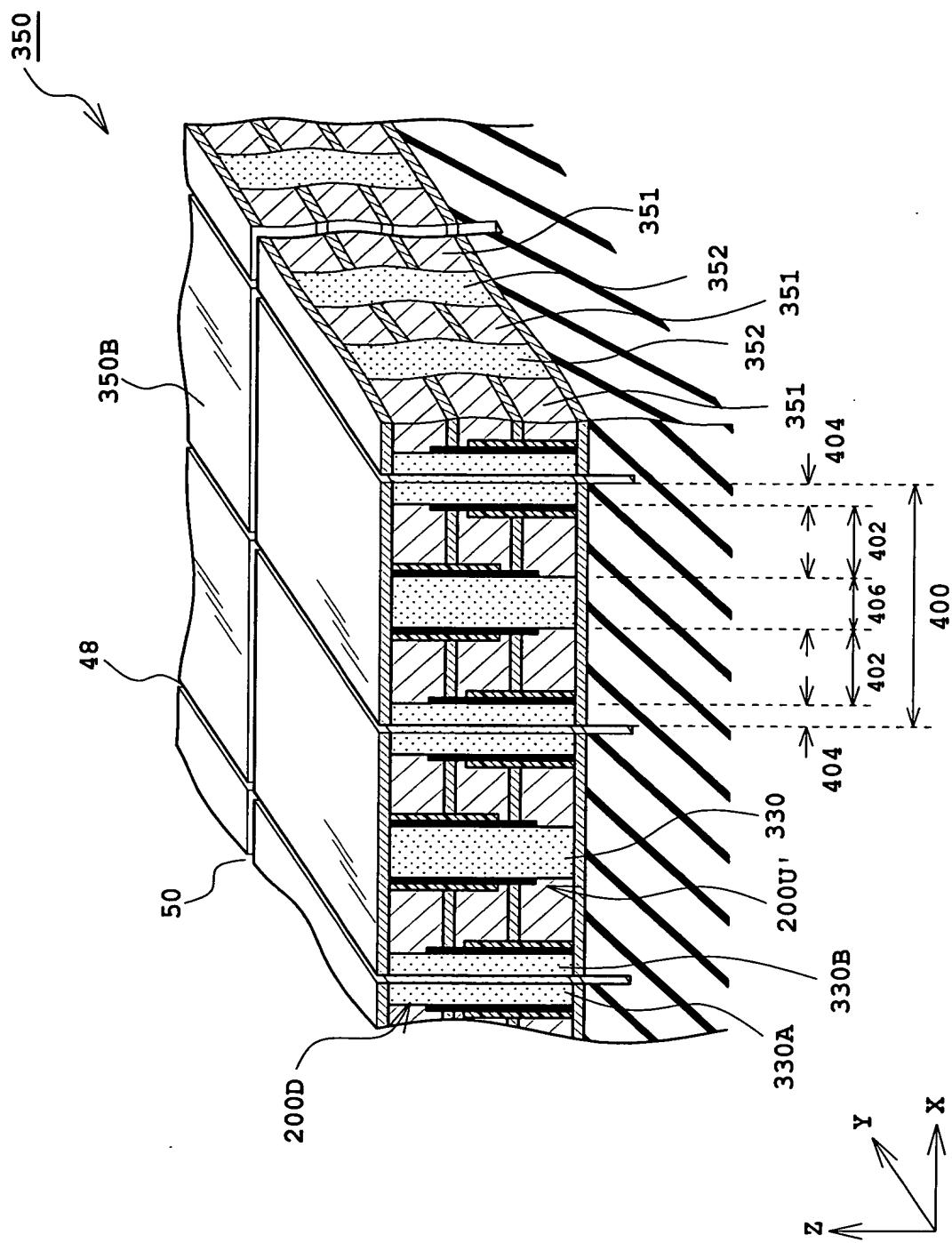


Fig. 35